

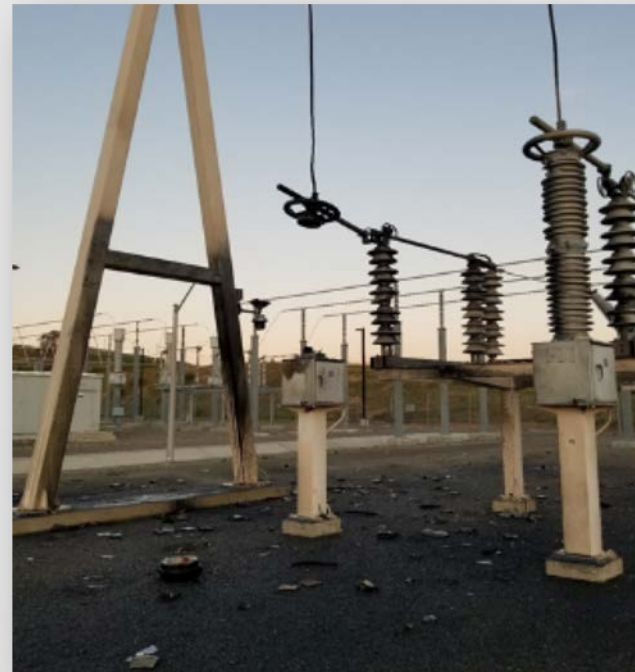
SWP Aging Infrastructure



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SWP Aging Infrastructure



Risks Associated with Aging Infrastructure



Public safety



Interruptions in water deliveries



Inability to support the electric grid



Damage to private and state property



Increase in costs of water and unstable water rates



Steps to Respond to the Risks



Plan

Plan aging infrastructure projects based on the implementation of risk-informed asset management plans for critical SWP infrastructure



Increase

Increase maintenance, refurbishment, repair, replacement of aging infrastructure to continue meeting demands, support increased flexibility and water resiliency



Optimize

Optimize, prioritize and financially plan for projects to address aging infrastructure based on risk



Provide

Provide quality and affordable water to the districts of the 29 SWCs

Asset and Maintenance Management

- Perform condition assessment
- Develop Asset Management Plans
 - Water Resilience Portfolio Initiative 19.5
- Create maintenance procedures
- Develop and enhance maintenance tracking system
- Schedule, perform, and document maintenance
- Analyze asset performance and risks
- Develop risk prioritized long-term capital investment plans
- Update strategies and plans
- Key to long term reliability and affordability



Improved Project Delivery

- Alternative delivery project techniques
 - Design Build
 - Construction Manager as General Contractor
- Enhanced project and program management
 - Dedicated Project Management Offices
 - SWP Project Management standards
- Projects delivered on time, within scope and on budget



Enhanced Maintenance Activities

- Maintain capacity for critical infrastructure with repair, refurbishment, and replacement projects
- Extend the remaining useful life of existing infrastructure
- Reduce likelihood of equipment failure
- Increase public safety
- Ensure affordability with predictable and consistent water rates
- Perform climate change analysis



Thank You

Questions



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